CLAIMS

The invention claimed is:

1. A device comprising:

a network interface for coupling to a network; and

a processor coupled with the network interface, wherein the processor is adapted to

transmit a call setup message to a device through a network to establish a connection session for exchanging data;

receive from the device a reply message;

analyze the reply message;

infer from the reply message an attribute of the device for the connection session that is not included in the reply message; and

transmit data to the device using the inferred attribute.

2. The device of claim 1, wherein

the inferred attribute is a codec type of the device.

3. The device of claim 1, wherein

the inferred attribute is a maximum bandwidth that the device may receive data in.

4. The device of claim 1, wherein

the reply message includes an identifying number of a port that the device will be using to transmit data from, and

the inferred attribute is the port number that will be used by the device to receive data from, inferred as a function of the identified port number.

5. The device of claim 4, wherein

the inferred port number is the same as the identified port number.

6. The device of claim 1, wherein

the call setup message is an H.323 version 3 fastStart type message; and

the reply message is an RSVP Path type message.

7. The device of claim 1, wherein the processor is further adapted to:

decide that information about the attribute will not be forthcoming prior to inferring.

8. The device of claim 7, wherein

deciding is performed by determining that the reply message was received before information about the attribute was received.

9. The device of claim 7, wherein

the call setup message is an H.323 version 3 fastStart type message; and

the reply message is an RSVP Path type message.

10. A device comprising:

a network interface for coupling to a network; and

a processor coupled with the network interface, wherein the processor is adapted to

receive a call setup message from a device through a network to establish a connection for exchanging data;

configure a first port to transmit data through, during the connection;

configure a second port to receive data from, during the connection;

transmit to the device a reply message identifying the first port as a port to transmit from, but not identifying the second port; and

receive data addressed to the second port in response to the reply message.

11. The method of claim 10, wherein

an identifying number of the second port has a preset relationship with an identifying number of the first port.

12. The method of claim 11, wherein

the identifying number of the second port equals the identifying number of the first port.

13. The device of claim 10, wherein
the call setup message is an H.323 version 3 fastStart type message; and
the reply message is an RSVP Path type message.

14. A device comprising:
means for transmitting a call setup message to a device through a network to establish a connection session for exchanging data;
means for receiving from the device a reply message;
means for analyzing the reply message;
means for inferring from the reply message an attribute of the device for the connection session that is not included in the reply message; and
means for transmitting data to the device using the inferred attribute.

15. The device of claim 14, wherein
the inferred attribute is a codec type of the device.

16. The device of claim 14, wherein
the inferred attribute is a maximum bandwidth that the device may receive data in.

17. The device of claim 14, wherein
the reply message includes an identifying number of a port that the device will be using to transmit data from, and
the inferred attribute is the port number that will be used by the device to receive data from, inferred as a function of the identified port number.

18. The device of claim 17, wherein
the inferred port number is the same as the identified port number.

19. The device of claim 14, wherein
the call setup message is an H.323 version 3 fastStart type message; and
the reply message is an RSVP Path type message.

20. The device of claim 19, further comprising:

means for deciding that information about the attribute will not be forthcoming prior to inferring.

21. The device of claim 20, wherein

deciding is performed by determining that the reply message was received before information about the attribute was received.

22. The device of claim 20, wherein

the call setup message is an H.323 version 3 fastStart type message; and

the reply message is an RSVP Path type message.

23. A device comprising:

means for receiving a call setup message from a device through a network to establish a connection for exchanging data;

means to configure a first port to transmit data through, during the connection;

means to configure a second port to receive data from, during the connection;

means to transmit to the device a reply message identifying the first port as a port to transmit from, but not identifying the second port; and

means to receive data addressed to the second port in response to the reply message.

24. The method of claim 23, wherein

an identifying number of the second port has a preset relationship with an identifying number of the first port.

25. The method of claim 24, wherein

the identifying number of the second port equals the identifying number of the first port.

26. The device of claim 23, wherein

the call setup message is an H.323 version 3 fastStart type message; and

the reply message is an RSVP Path type message.

27. An article comprising: a storage medium, the storage medium having instructions stored thereon, wherein when the instructions are executed by at least one device, they result in:

transmitting a call setup message to a device through a network to establish a connection session for exchanging data;

receiving from the device a reply message;

analyzing the reply message;

inferring from the reply message an attribute of the device for the connection session that is not included in the reply message; and

transmitting data to the device using the inferred attribute.

28. The device of claim 27, wherein

the inferred attribute is a codec type of the device.

29. The device of claim 27, wherein

the inferred attribute is a maximum bandwidth that the device may receive data in.

30. The device of claim 27, wherein

the reply message includes an identifying number of a port that the device will be using to transmit data from, and

the inferred attribute is the port number that will be used by the device to receive data from, inferred as a function of the identified port number.

31. The device of claim 30, wherein

the inferred port number is the same as the identified port number.

32. The article of claim 27, wherein

the call setup message is an H.323 version 3 fastStart type message; and

the reply message is an RSVP Path type message.

33. The article of claim 27, wherein the instructions further result in:

deciding that information about the attribute will not be forthcoming prior to inferring.

34. The article of claim 33, wherein

deciding is performed by determining that the reply message was received before information about the attribute was received.

35. The article of claim 33, wherein

the call setup message is an H.323 version 3 fastStart type message; and

the reply message is an RSVP Path type message.

36. An article comprising: a storage medium, the storage medium having instructions stored thereon, wherein when the instructions are executed by at least one device, they result in:

receiving a call setup message from a device through a network to establish a connection for exchanging data;

configuring a first port to transmit data through, during the connection;

configuring a second port to receive data from, during the connection;

transmitting to the device a reply message identifying the first port as a port to transmit from, but not identifying the second port; and

receiving data addressed to the second port in response to the reply message.

37. The method of claim 36, wherein

an identifying number of the second port has a preset relationship with an identifying number of the first port.

38. The method of claim 37, wherein

the identifying number of the second port equals the identifying number of the first port.

39. The article of claim 36, wherein

the call setup message is an H.323 version 3 fastStart type message; and

the reply message is an RSVP Path type message.

40. A method comprising:

transmitting a call setup message to a device through a network to establish a connection session for exchanging data;

receiving from the device a reply message;

analyzing the reply message;

inferring from the reply message an attribute of the device for the connection session that is not included in the reply message; and

transmitting data to the device using the inferred attribute.

41. The device of claim 40, wherein

the inferred attribute is a codec type of the device.

42. The device of claim 40, wherein

the inferred attribute is a maximum bandwidth that the device may receive data in.

43. The device of claim 40, wherein

the reply message includes an identifying number of a port that the device will be using to transmit data from, and

the inferred attribute is the port number that will be used by the device to receive data from, inferred as a function of the identified port number.

44. The device of claim 43, wherein

the inferred port number is the same as the identified port number.

45. The method of claim 40, wherein

the call setup message is an H.323 version 3 fastStart type message; and

the reply message is an RSVP Path type message.

46. The method of claim 40, further comprising:

deciding that information about the attribute will not be forthcoming prior to inferring.

47. The method of claim 46, wherein

deciding is performed by determining that the reply message was received before information about the attribute was received.

48. The method of claim 46, wherein

the call setup message is an H.323 version 3 fastStart type message; and

the reply message is an RSVP Path type message.

49. A method comprising:

receiving a call setup message from a device through a network to establish a connection for exchanging data;

configuring a first port to transmit data through, during the connection;

configuring a second port to receive data from, during the connection;

transmitting to the device a reply message identifying the first port as a port to transmit from, but not identifying the second port; and

receiving data addressed to the second port in response to the reply message.

50. The method of claim 49, wherein

an identifying number of the second port has a preset relationship with an identifying number of the first port.

51. The method of claim 50, wherein

the identifying number of the second port equals the identifying number of the first port.

52. The method of claim 49, wherein

the call setup message is an H.323 version 3 fastStart type message; and

the reply message is an RSVP Path type message.